

ITQ 0100



- Compact and robust design suitable for butterfly valve & damper automation
- Standard weatherproof (IP67) (Optional Explosion Proof (Ex II B T4 and IP68))
- Aluminum alloy housing with epoxy polyester coated outside
- Output Torque: 100Nm (10Kg.m)

| General Specifications | |
|-------------------------|--|
| Enclosure | Weatherproof, IP67, NEMA4 and 4X, O-ring Sealed |
| Power Supply | 110/220V AC, 1Ph(50/60Hz) ± 10 %, 24V DC |
| | 380/440V AC, 3Ph(50/60Hz) ± 10 % |
| Control Power | 110/220V AC, 1Ph(50/60Hz) ± 10 % |
| Duty Cycle (ON-OFF) | S2:Max20min |
| Duty Cycle (Modulating) | S4: 30%, 800 Start/Hour |
| Motor | Induction Motor with Thermal Protector |
| | (High150°C±5°C/Low97°C±15°C) |
| Limit Switches | 4 x SPDT (2 for Close, 2 for Open), 250VAC, 16A |
| Torque Switches | N/A |
| Travel Angle | 90 ° ± 10 % by external adjustable mechanical stopper |
| Position Indication | Continuous mechanical indicator with arrow |
| Manual Override | De-clutchable |
| Self Locking | Provided by double worm gearing (no brake) |
| Mechanical Stopper | 1 each for each travel end (open & close), external & adjustable |
| Terminal Block | Screw and Lever Push Type (Spring Loaded) |
| Cable Entries | 2 - PF3/4", NPT3/4", M25X1.5 |
| Space Heater | 5W (110/220 VAC) for anti-condensation |
| Ambient Temperature | BasicActuator: -20~+70°C |
| | c/w ControlOption: -10°C~+60°C |
| Ambient Humidity | 90%RH Max (Non-Condensing) |

| Technical Specification | | | |
|---|------------|--------------------|--------------------|
| Model | | ITQ0100 | |
| Rated Torque (Nm) | | 100Nm (10Kg.m) | |
| Operating Time (Sec) 110/220V AC (50Hz) | | 21sec | |
| Operating Time (Sec) 110/220V AC (60Hz) | | 18sec | |
| Max. Bore Size (mm) | | | |
| Key () | | 22mm | |
| Square () | | 20mm | |
| Motor Insulation Class | | F | |
| Amp Draw | Main Power | 50Hz (Running/Max) | 60Hz (Running/Max) |
| | 110 Volt | 0.98/1.25 | 1.10/1.35 |
| | 220 Volt | 0.52/0.72 | 0.58/0.75 |
| | 380 Volt | 0.43/0.85 | 0.33/0.65 |
| | 440 Volt | 0.59/0.98 | 0.42/0.84 |
| | 24VDC | 2.8/4.5 | |
| No. of Handwheel | | 10 | |
| ISO 5211 Mounting Flange | | ISO F07 flange | |
| Weight (Kg) | | 7Kgs | |

* Available Options: EX, WT, ALS, EXT, PK, CT, RPC, AC/DC Converter

* DC 24V: Applicable to ITQ 0100~0500